Closed Topic Search

Enter terms
Search

Reset Sort By: Close Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (descending)
- Close Date (ascending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 11 - 20 of 71 results

1. MDA15-027: Lithium Oxyhalide Battery Separator Material

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Ground/Sea Vehicles, Materials/Processes, Weapons OBJECTIVE: Develop innovative concepts and materials to replace the Polytetrafluoroethylene (PTFE) microporous separator and glass separator used in lithium oxyhalide batteries, while maintaining or exceeding performance, decreasing manufacturing complexity, and yield more efficient battery geometries. DESCRIPTION: The ...

SBIR Missile Defense AgencyDepartment of Defense

2. MDA15-T001: Contextual Reasoning for Object Identification

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Information Systems, Sensors OBJECTIVE: Develop a technique to incorporate variable contextual information to aid object identification and target designation. DESCRIPTION: When dealing with well-understood threats in a clean environment, a simple formula using a previously defined set of sensor features may be adequate to identify the threat object. However, when enc ...

STTR Missile Defense AgencyDepartment of Defense

3. MDA15-T002: System of Systems Control Interactions

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Information Systems OBJECTIVE: Develop and demonstrate innovative design and analysis techniques to characterize the stability and performance of a system of systems (SoS) as a function of sub-system dynamics, network structure and control/decision processes. DESCRIPTION: Seek design approaches that balance multiple sub-system network configurations and sub-system and ...

STTR Missile Defense AgencyDepartment of Defense

4. MDA15-T003: Aerospace Vehicle Signature Modeling Technologies

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Air Platform, Information Systems, Sensors OBJECTIVE: Develop computational fluid dynamics (CFD) software tools to extend modeling capabilities, including turbulence, chemically reactive flow, radiative heat transfer and acoustics, for the prediction of aerospace vehicle signature phenomenology beyond the current state of the art. DESCRIPTION: Seek CFD software tools ...

STTR Missile Defense AgencyDepartment of Defense

5. MDA15-T004: Spectral Crosstalk Reduction for Dual-band Long Wave Infrared Detectors

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Electronics, Materials/Processes, Sensors OBJECTIVE: Seeking solutions to reduce spectral crosstalk of dual-band long wave infrared (LWIR) III-V strained layer superlattice (SLS) based infrared (IR) focal plane arrays (FPA)/detectors. DESCRIPTION: Multi-color FPAs made of III-V SLS semiconductor materials have shown very promising results in recent years. Further impr ...

STTR Missile Defense AgencyDepartment of Defense

6. MDA15-T005: Gold Contaminated Solder Joint Characterization for Quantifying Risks Associated with Gold Embrittlement

Release Date: 08-27-2015Open Date: 09-28-2015Due Date: 10-28-2015Close Date: 10-28-2015

TECHNOLOGY AREA(S): Electronics OBJECTIVE: Develop a risk forecasting tool for quantifying the risks associated with gold-embrittled solder joints in electronic assemblies. Specifically, the model should accurately assess the likelihood of solder joint failure given specific environmental stress conditions (vibrational and thermal shock). DESCRIPTION: Circuit card assemblies (CCAs) are c ...

STTR Missile Defense AgencyDepartment of Defense

7. MDA15-001: Advanced Cognition Processing and Algorithms for Improved Identification

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Fixed measurements, features, and classifiers preclude systems from changing decision logic based on new information collected during an engagement, since tactical operational environments are often different from those used to collect or generate sample data. This potentially causes sensor bias thus ultimately impacts object classification. In addition, the sample data may vary form the actual da ...

SBIR Missile Defense AgencyDepartment of Defense

8. MDA15-002: Kinematic Reach/Containment

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Seek innovative improvements and creative applications of mature product and material technologies that can address increased kinematic performance and containment. Reducing mass while maintaining or increasing performance (more divert delta V or more efficient use of packaged delta V) will increase the kinematic reach and containment of the vehicle. These innovations can range from light weight r ...

SBIR Missile Defense AgencyDepartment of Defense

9. MDA15-003: System Communications

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

As new missile defense CONOPS are developed, the requirements placed on weapon data links will increase. Lower latencies and higher data rates will be needed as weapons become more agile, targeting error requirements become tighter, and the need for real time data become greater. In order to support future network communications, innovative concepts and technologies are needed to develop mitigatio ...

SBIR Missile Defense AgencyDepartment of Defense

10. MDA15-004: Lethality Enhancement

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

The topic will study the incorporation of innovative reactive materials into a kinetic warhead to increase lethality. Emphasis will be placed on reactive materials that would achieve high reaction temperatures (>4000K) and generate high amounts of chemical energy (>2kcal/g) on impact. The need exists to develop and test reactive materials with varying densities from 1 g/cm3 to 10 g/cm3 as substitu ...

SBIR Missile Defense AgencyDepartment of Defense

- First
- Previous
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });